Name of Work: Improvements to roads and drains in Chikkadinne Attur Village and Surrounding areas in Ward No. 03

Date of Pre-Measurement :

Item No	Detailed Measurements Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to							
	Attur layout, West of Mn Rd							
	7th cross, LHS							
	Ch: 0 to 26m		1	26.00	1.10	0.90	25.74	
	Road gap							
	Ch: 0 to 12.50m		1	12.50	1.10	0.90	12.38	
	Ch: 12.50 to 25.50m		1	13.00	1.10	0.90	12.87	
	Road gap							
	Ch: 0 to 24m		1	24.00	1.10	0.90	23.76	
	Road gap							
	Ch: 0 to 25m		1	25.00	1.10	0.90	24.75	
	Road gap							
	Ch: 0 to 16.30m		1	16.30	0.80	0.90	11.74	
	Ch: 16.30 to 27.60m		1	11.30	1.10	0.90	11.19	
	7th cross, RHS							
	Ch: 0 to 12.80m		1	12.80	1.10	0.90	12.67	
	Road gap							
	Ch: 0 to 24.60m		1	24.60	1.10	0.90	24.35	
	Road gap							
	Ch: 0 to 13.30m		1	13.30	1.10	0.90	13.17	
	Ch: 13.30 to 25.30m		1	12.00	1.10	0.90	11.88	
	Road gap							
	Ch: 0 to 24.30m		1	24.30	1.10	0.90	24.06	
	Road gap							
	Ch: 0 to 25m		1	25.00	1.10	0.90	24.75	
	1st Main, Left Side							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
	Ch: 30 to 60m		1	30.00	1.10	0.90	29.70	
	Ch: 60 to 64m		1	4.00	1.10	0.90	3.96	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
	Ch: 30 to 60m		1	30.00	1.10	0.90	29.70	
	Ch: 60 to 64m		1	4.00	1.10	0.90	3.96	
	2nd Main, Left Side							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
	Ch: 30 to 60m		1	30.00	1.10	0.90	29.70	
	Ch: 60 to 62m		1	2.00	1.10	0.90	1.98	
	RHS							

	Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
	Ch: 30 to 60m		1	30.00	1.10	0.90	29.70	
	Ch: 60 to 63m		1	3.00	1.10	0.90	2.97	
	3nd Main, Left Side							
	LHS							
	Ch: 0 to 18.80m		1	18.80	1.10	0.90	18.61	
	Ch: 18.80 to 29.20m		1	10.40	1.10	0.90	10.30	
	Ch: 29.20 to 59.70m		1	30.50	1.10	0.90	30.20	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
	Ch: 30 to 60m		1	30.00	1.10	0.90	29.70	
	4th Main, Left Side							
	LHS							
	Ch: 0 to 10.30m		1	10.30	1.10	0.90	10.20	
	Ch: 10.30 to 19.30m		1	9.00	1.10	0.90	8.91	
	Ch: 19.30 to 49.30m		1	30.00	1.10	0.90	29.70	
	Ch: 49.30 to 65.80m		1	16.50	1.10	0.90	16.34	
	RHS							
	Ch: 0 to 8.10m		1	8.10	1.10	0.90	8.02	
	Ch: 8.10 to 16.60m		1	8.50	1.10	0.90	8.42	
	Ch: 16.60 to 42.60m		1	26.00	1.10	0.90	25.74	
	Ch: 42.60 to 64.10m		1	21.50	1.10	0.90	21.29	
	5th Main, Left Side							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
	Ch: 30 to 53m		1	23.00	1.10	0.90	22.77	
	2nd Main,Right Side							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
	Ch: 30 to 60m		1	30.00	1.10	0.90	29.70	
	Ch: 60 to 90m		1	30.00	1.10	0.90	29.70	
	Ch: 90 to 110m		1	20.00	1.10	0.90	19.80	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
	Ch: 30 to 60m		1	30.00	1.10	0.90	29.70	
	Ch: 60 to 90m		1	30.00	1.10	0.90	29.70	
	Ch: 90 to 109m		1	19.00	1.10	0.90	18.81	
	4th Main,Right Side							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
	Ch: 30 to 60m		1	30.00	1.10	0.90	29.70	
	Ch: 60 to 90m		1	30.00	1.10	0.90	29.70	
	Ch: 90 to 120.50m		1	30.50	1.10	0.90	30.20	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	1.00	33.00	
	Ch: 30 to 43.5m		1	13.50	1.10	1.00	14.85	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.10	0.90	29.70	
	Ch: 30 to 60m		1	30.00	1.10	0.90	29.70	

	Ch: 60 to 71.40m		1	11.40	1.10	0.90	11.29	
	Culvert							
	7th cross, 3rd Mn		1	4.30	1.50	0.90	5.81	
	7th cross, 3rd Mn		1	4.80	1.80	0.90	7.78	
	4th Mn		1	5.00	1.50	1.00	7.50	
						Present Qty	**1259.06**	**Cum**

Contractor

CITIZEN CONSULTANT K.R PMC * BANGALORE *

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
Asst. Executive Engineer
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and drains in Chikkadinne Attur Village and Surrounding areas in Ward No. 03

Date of Pre-Measurement :

Item No	Detailed Measurements Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days							
	Attur layout, West of Mn Rd							
	7th cross, LHS							
	Ch: 0 to 26m		1	26.00	1.10	0.15	4.29	
	Road gap							
	Ch: 0 to 12.50m		1	12.50	1.10	0.15	2.06	
	Ch: 12.50 to 25.50m		1	13.00	1.10	0.15	2.15	
	Road gap							
	Ch: 0 to 24m		1	24.00	1.10	0.15	3.96	
	Road gap							
	Ch: 0 to 25m		1	25.00	1.10	0.15	4.13	
	Road gap							
	Ch: 0 to 16.30m		1	16.30	0.80	0.15	1.96	
	Ch: 16.30 to 27.60m		1	11.30	1.10	0.15	1.86	
	7th cross, RHS							
	Ch: 0 to 12.80m		1	12.80	1.10	0.15	2.11	
	Road gap							
	Ch: 0 to 24.60m		1	24.60	1.10	0.15	4.06	
	Road gap							
	Ch: 0 to 13.30m		1	13.30	1.10	0.15	2.19	
	Ch: 13.30 to 25.30m		1	12.00	1.10	0.15	1.98	
	Road gap							
	Ch: 0 to 24.30m		1	24.30	1.10	0.15	4.01	
	Road gap							
	Ch: 0 to 25m		1	25.00	1.10	0.15	4.13	
	1st Main, Left Side							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 64m		1	4.00	1.10	0.15	0.66	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 64m		1	4.00	1.10	0.15	0.66	
	2nd Main, Left Side							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 62m		1	2.00	1.10	0.15	0.33	
	RHS							

	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 63m		1	3.00	1.10	0.15	0.50	
	3nd Main, Left Side							
	LHS							
	Ch: 0 to 18.80m		1	18.80	1.10	0.15	3.10	
	Ch: 18.80 to 29.20m		1	10.40	1.10	0.15	1.72	
	Ch: 29.20 to 59.70m		1	30.50	1.10	0.15	5.03	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	4th Main, Left Side							
	LHS							
	Ch: 0 to 10.30m		1	10.30	1.10	0.15	1.70	
	Ch: 10.30 to 19.30m		1	9.00	1.10	0.15	1.49	
	Ch: 19.30 to 49.30m		1	30.00	1.10	0.15	4.95	
	Ch: 49.30 to 65.80m		1	16.50	1.10	0.15	2.72	
	RHS							
	Ch: 0 to 8.10m		1	8.10	1.10	0.15	1.34	
	Ch: 8.10 to 16.60m		1	8.50	1.10	0.15	1.40	
	Ch: 16.60 to 42.60m		1	26.00	1.10	0.15	4.29	
	Ch: 42.60 to 64.10m		1	21.50	1.10	0.15	3.55	
	5th Main, Left Side							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 53m		1	23.00	1.10	0.15	3.80	
	2nd Main,Right Side							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90m		1	30.00	1.10	0.15	4.95	
	Ch: 90 to 110m		1	20.00	1.10	0.15	3.30	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90m		1	30.00	1.10	0.15	4.95	
	Ch: 90 to 109m		1	19.00	1.10	0.15	3.14	
	4th Main,Right Side							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90m		1	30.00	1.10	0.15	4.95	
	Ch: 90 to 120.50m		1	30.50	1.10	0.15	5.03	
	RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 43.5m		1	13.50	1.10	0.15	2.23	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	

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	Ch: 60 to 71.40m							
	Culvert		1	11.40	1.10	0.15	1.88	
	7th cross, 3rd Mn							
	7th cross, 3rd Mn		1	4.30	1.50	0.15	0.97	
	4th Mn		1	4.80	1.80	0.15	1.30	
			1	5.00	1.50	0.15	1.13	
						Present Qty	**208.92**	**Cum**

Contractor

NEMZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
Asst. Executive Engineer
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬೆಂಗಳೂರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-105

Name of Work: Improvements to roads and drains in Chikkadinne Attur Village and Surrounding areas in Ward No. 03

Date of Pre-Measurement :

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well competed for walls and bottom including centring shuttering cost of material HOM of							
	Raft							
	Attur layout, West of Mn Rd							
	7th cross, LHS							
	Ch: 0 to 26m		1	26.00	0.90	0.15	3.51	
	Road gap							
	Ch: 0 to 12.50m		1	12.50	0.90	0.15	1.69	
	Ch: 12.50 to 25.50m		1	13.00	0.90	0.15	1.76	
	Road gap							
	Ch: 0 to 24m		1	24.00	0.90	0.15	3.24	
	Road gap							
	Ch: 0 to 25m		1	25.00	0.90	0.15	3.38	
	Road gap							
	Ch: 0 to 16.30m		1	16.30	0.70	0.15	1.71	
	Ch: 16.30 to 27.60m		1	11.30	0.90	0.15	1.53	
	7th cross, RHS							
	Ch: 0 to 12.80m		1	12.80	0.90	0.15	1.73	
	Road gap							
	Ch: 0 to 24.60m		1	24.60	0.90	0.15	3.32	
	Road gap							
	Ch: 0 to 13.30m		1	13.30	0.90	0.15	1.80	
	Ch: 13.30 to 25.30m		1	12.00	0.90	0.15	1.62	
	Road gap							
	Ch: 0 to 24.30m		1	24.30	0.90	0.15	3.28	
	Road gap							
	Ch: 0 to 25m		1	25.00	0.90	0.15	3.38	
	1st Main, Left Side							
	LHS							
	Ch: 0 to 30m		1	30.00	0.90	0.15	4.05	
	Ch: 30 to 60m		1	30.00	0.90	0.15	4.05	
	Ch: 60 to 64m		1	4.00	0.90	0.15	0.54	
	RHS							
	Ch: 0 to 30m		1	30.00	0.90	0.15	4.05	
	Ch: 30 to 60m		1	30.00	0.90	0.15	4.05	
	Ch: 60 to 64m		1	4.00	0.90	0.15	0.54	
	2nd Main, Left Side							
	LHS							
	Ch: 0 to 30m		1	30.00	0.90	0.15	4.05	
	Ch: 30 to 60m		1	30.00	0.90	0.15	4.05	
	Ch: 60 to 62m		1	2.00	0.90	0.15	0.27	
	RHS							
	Ch: 0 to 30m		1	30.00	0.90	0.15	4.05	

	Ch: 30 to 60m							
	Ch: 60 to 63m		1	30.00	0.90	0.15	4.05	
	3nd Main, Left Side		1	3.00	0.90	0.15	0.41	
	LHS							
	Ch: 0 to 18.80m							
	Ch: 18.80 to 29.20m		1	18.80	0.90	0.15	2.54	
	Ch: 29.20 to 59.70m		1	10.40	0.90	0.15	1.40	
	RHS		1	30.50	0.90	0.15	4.12	
	Ch: 0 to 30m							
	Ch: 30 to 60m		1	30.00	0.90	0.15	4.05	
	4th Main, Left Side		1	30.00	0.90	0.15	4.05	
	LHS							
	Ch: 0 to 10.30m							
	Ch: 10.30 to 19.30m		1	10.30	0.90	0.15	1.39	
	Ch: 19.30 to 49.30m		1	9.00	0.90	0.15	1.22	
	Ch: 49.30 to 65.80m		1	30.00	0.90	0.15	4.05	
	RHS		1	16.50	0.90	0.15	2.23	
	Ch: 0 to 8.10m							
	Ch: 8.10 to 16.60m		1	8.10	0.90	0.15	1.09	
	Ch: 16.60 to 42.60m		1	8.50	0.90	0.15	1.15	
	Ch: 42.60 to 64.10m		1	26.00	0.90	0.15	3.51	
	5th Main, Left Side		1	21.50	0.90	0.15	2.90	
	LHS							
	Ch: 0 to 30m							
	Ch: 30 to 53m		1	30.00	0.90	0.15	4.05	
	2nd Main,Right Side		1	23.00	0.90	0.15	3.11	
	LHS							
	Ch: 0 to 30m							
	Ch: 30 to 60m		1	30.00	0.90	0.15	4.05	
	Ch: 60 to 90m		1	30.00	0.90	0.15	4.05	
	Ch: 90 to 110m		1	30.00	0.90	0.15	4.05	
	RHS		1	20.00	0.90	0.15	2.70	
	Ch: 0 to 30m							
	Ch: 30 to 60m		1	30.00	0.90	0.15	4.05	
	Ch: 60 to 90m		1	30.00	0.90	0.15	4.05	
	Ch: 90 to 109m		1	30.00	0.90	0.15	4.05	
	4th Main,Right Side		1	19.00	0.90	0.15	2.57	
	LHS							
	Ch: 0 to 30m							
	Ch: 30 to 60m		1	30.00	0.90	0.15	4.05	
	Ch: 60 to 90m		1	30.00	0.90	0.15	4.05	
	Ch: 90 to 120.50m		1	30.00	0.90	0.15	4.05	
	RHS		1	30.50	0.90	0.15	4.12	
	Ch: 0 to 30m							
	Ch: 30 to 43.5m		1	30.00	0.90	0.15	4.05	
	Road Gap		1	13.50	0.90	0.15	1.82	
	Ch: 0 to 30m							
	Ch: 30 to 60m		1	30.00	0.90	0.15	4.05	
	Ch: 60 to 71.40m		1	30.00	0.90	0.15	4.05	
	Wall		1	11.40	0.90	0.15	1.54	
	Attur layout, West of Mn Rd							

7th cross, LHS							
Ch: 0 to 26m							
Road gap		2	26.00	0.15	0.60	4.68	
Ch: 0 to 12.50m							
Ch: 12.50 to 25.50m		2	12.50	0.15	0.60	2.25	
Road gap		2	13.00	0.15	0.60	2.34	
Ch: 0 to 24m							
Road gap		2	24.00	0.15	0.60	4.32	
Ch: 0 to 25m							
Road gap		2	25.00	0.15	0.60	4.50	
Ch: 0 to 16.30m							
Ch: 16.30 to 27.60m		2	16.30	0.15	0.60	2.93	
7th cross, RHS		2	11.30	0.15	0.60	2.03	
Ch: 0 to 12.80m							
Road gap		2	12.80	0.15	0.60	2.30	
Ch: 0 to 24.60m							
Road gap		2	24.60	0.15	0.60	4.43	
Ch: 0 to 13.30m							
Ch: 13.30 to 25.30m		2	13.30	0.15	0.60	2.39	
Road gap		2	12.00	0.15	0.60	2.16	
Ch: 0 to 24.30m							
Road gap		2	24.30	0.15	0.60	4.37	
Ch: 0 to 25m							
1st Main, Left Side		2	25.00	0.15	0.60	4.50	
LHS							
Ch: 0 to 30m							
Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
Ch: 60 to 64m		2	30.00	0.15	0.60	5.40	
RHS		2	4.00	0.15	0.60	0.72	
Ch: 0 to 30m							
Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
Ch: 60 to 64m		2	30.00	0.15	0.60	5.40	
2nd Main, Left Side		2	4.00	0.15	0.60	0.72	
LHS							
Ch: 0 to 30m							
Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
Ch: 60 to 62m		2	30.00	0.15	0.60	5.40	
RHS		2	2.00	0.15	0.60	0.36	
Ch: 0 to 30m							
Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
Ch: 60 to 63m		2	30.00	0.15	0.60	5.40	
3nd Main, Left Side		2	3.00	0.15	0.60	0.54	
LHS							
Ch: 0 to 18.80m		2	18.80	0.15	0.60	3.38	
Ch: 18.80 to 29.20m		2	10.40	0.15	0.60	1.87	
Ch: 29.20 to 59.70m		2	30.50	0.15	0.60	5.49	
RHS							
Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
4th Main, Left Side							
LHS							

	Ch: 0 to 10.30m		2	10.30	0.15	0.60	1.85	
	Ch: 10.30 to 19.30m		2	9.00	0.15	0.60	1.62	
	Ch: 19.30 to 49.30m		2	30.00	0.15	0.60	5.40	
	Ch: 49.30 to 65.80m		2	16.50	0.15	0.60	2.97	
	RHS							
	Ch: 0 to 8.10m		2	8.10	0.15	0.55	1.34	
	Ch: 8.10 to 16.60m		2	8.50	0.15	0.55	1.40	
	Ch: 16.60 to 42.60m		2	26.00	0.15	0.60	4.68	
	Ch: 42.60 to 64.10m		2	21.50	0.15	0.60	3.87	
	5th Main, Left Side							
	LHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 53m		2	23.00	0.15	0.60	4.14	
	2nd Main,Right Side							
	LHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
	Ch: 60 to 90m		2	30.00	0.15	0.60	5.40	
	Ch: 90 to 110m		2	20.00	0.15	0.60	3.60	
	RHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
	Ch: 60 to 90m		2	30.00	0.15	0.60	5.40	
	Ch: 90 to 109m		2	19.00	0.15	0.60	3.42	
	4th Main,Right Side							
	LHS							
	Ch: 0 to 30m		2	30.00	0.15	0.55	4.95	
	Ch: 30 to 60m		2	30.00	0.15	0.55	4.95	
	Ch: 60 to 90m		2	30.00	0.15	0.55	4.95	
	Ch: 90 to 120.50m		2	30.50	0.15	0.55	5.03	
	RHS							
	Ch: 0 to 30m		2	30.00	0.15	0.55	4.95	
	Ch: 30 to 43.5m		2	13.50	0.15	0.55	2.23	
	Road Gap							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
	Ch: 60 to 71.40m		2	11.40	0.15	0.60	2.05	
	Culvert Raft							
	7th cross, 3rd Mn		1	4.30	1.30	0.20	1.12	
	7th cross, 3rd Mn		1	4.80	1.60	0.20	1.54	
	4th Mn		1	5.00	1.30	0.20	1.30	
	Culvert Wall							
	7th cross, 3rd Mn		2	4.30	0.23	0.50	0.99	
	7th cross, 3rd Mn		2	4.80	0.23	0.50	1.10	
	4th Mn		2	5.00	0.23	0.50	1.15	
						Present Qty	**397.78**	**Cum**

Contractor

NEMZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

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Executive Engineer

(10)

Name of Work: **Improvements to roads and drains in Chikkadinne Attur Village and Surrounding areas in Ward No. 03**

Date of Pre-Measurement :

Item No	Discription of Item	Detailed Measurements						
			No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour							
	Attur							
	7th cross, LHS							
	Total Drain length=128.10m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1281.00Nos		1281	2.00		0.61	1562.82	
	Distribution bar							
	Distribution bar 10mm dia @ 125mm							
	0.61kg/mtr		16	128.10		0.61	1250.26	
	7th cross, RHS							
	Total Drain length=112.000m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1120.00Nos		1120	2.00		0.61	1366.40	
	Distribution bar							
	Distribution bar 10mm dia @ 125mm							
	0.61kg/mtr		16	112.00		0.61	1093.12	
	1st Main, Left Side, LHS							
	Total Drain length=64.000m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=640.00Nos		640	2.00		0.61	780.80	
	Distribution bar							
	Distribution bar 10mm dia @ 125mm							
	0.61kg/mtr		16	64.00		0.61	624.64	
	1st Main, Left Side, RHS							
	Total Drain length=64.000m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=640.00Nos		640	2.00		0.61	780.80	
	Distribution bar							
	Distribution bar 10mm dia @ 125mm							
	0.61kg/mtr		16	64.00		0.61	624.64	
	2nd Main, Left Side, LHS							
	Total Drain length=62.000m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=620.00Nos		620	2.00		0.61	756.40	

Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		16	62.00		0.61	605.12	
2nd Main, Left Side, RHS							
Total Drain length=63.000m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=630.00Nos		630	2.00		0.61	768.60	
Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		16	63.00		0.61	614.88	
3rd Main, Left Side, LHS							
Total Drain length=59.70m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=597.00Nos		597	2.00		0.61	728.34	
Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		16	59.70		0.61	582.67	
3rd Main, Left Side, RHS							
Total Drain length=60.000m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=600.00Nos		600	2.00		0.61	732.00	
Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		16	60.00		0.61	585.60	
4th Main, Left Side, LHS							
Total Drain length=65.80m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=658.00Nos		658	2.00		0.61	802.76	
Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		16	65.80		0.61	642.21	
4th Main, Left Side, RHS							
Total Drain length=64.10m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=641.00Nos		641	2.00		0.61	782.02	
Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		16	64.10		0.61	625.62	
5th Main, Left Side, LHS							
Total Drain length=53.00m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=530.00Nos		530	2.00		0.61	646.60	
Distribution bar							
Distribution bar 10mm dia @ 125mm							

0.61kg/mtr		16	53.00		0.61	517.28	
2nd Main, Right Side, LHS							
Total Drain length=110.00m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1100.00Nos		1100	2.00		0.61	1342.00	
Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		16	110.00		0.61	1073.60	
2nd Main, Right Side, RHS							
Total Drain length=109.00m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1090.00Nos		1090	2.00		0.61	1329.80	
Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		16	109.00		0.61	1063.84	
4th Main, Right Side, LHS							
Total Drain length=120.50m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1205.00Nos		1205	1.95		0.61	1433.35	
Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		16	120.50		0.61	1176.08	
4th Main, Right Side, RHS							
Total Drain length=114.90m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1149.00Nos		1149	2.00		0.61	1401.78	
Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		16	114.90		0.61	1121.42	
Culvert							
Total Drain length=14.10m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1149.00Nos		282	1.75		0.61	301.04	
Distribution bar							
Distribution bar 10mm dia @ 125mm							
0.61kg/mtr		30	14.10		0.61	258.03	
						27974.51	
					Present Qty	**27.97**	**Tonne**

Contractor

NEWZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

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Name of Work: Improvements to roads and drains in Chikkadinne Attur Village and Surrounding areas in Ward No. 03

Date of Pre-Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to									
	Pre-measurement sheet no 1 to 3						1259.06			
						Present Qty	**1259.06**	**Cum**	**215.28**	**271051.30**
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days									
	Pre-measurement sheet no 4 to 6						208.92			
						Present Qty	**1259.06**	**Cum**	**5421.90**	**1132751.48**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of									
	Pre-measurement sheet no 7 to 10						397.78			
						Present Qty	**1259.06**	**Cum**	**7070.20**	**2812387.69**
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be									
	Pre-measurement sheet no 11 to 13						27.97			
						Present Qty	**27.97**	**Ton**	**73992.24**	**2069896.55**

Contractor

NEMZEN CONSULTANTS BANGALORE PMC

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Improvements to roads and drains in Chikkadinne Attur Village and Surrounding areas in Ward No. 03

Date of Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer									
	Attur layout, West of Mn Rd									
	7th cross, LHS									
	Ch: 0 to 26m		1	26.00	0.75		19.50			
	Road gap									
	Ch: 0 to 12.50m		1	12.50	0.75		9.38			
	Ch: 12.50 to 25.50m		1	13.00						
	Road gap									
	Ch: 0 to 24m		1	24.00	0.75		18.00			
	Road gap									
	Ch: 0 to 25m		1	25.00	0.75		18.75			
	Road gap									
	Ch: 0 to 16.30m		1	16.30	0.60		9.78			
	Ch: 16.30 to 27.60m		1	11.30	0.75		8.48			
	7th cross, RHS									
	Ch: 0 to 12.80m		1	12.80	0.75		9.60			
	Road gap									
	Ch: 0 to 24.60m		1	24.60	0.75		18.45			
	Road gap									
	Ch: 0 to 13.30m		1	13.30	0.75		9.98			
	Ch: 13.30 to 25.30m		1	12.00						
	Road gap									
	Ch: 0 to 24.30m		1	24.30	0.75		18.23			
	Road gap									
	Ch: 0 to 25m		1	25.00	0.75		18.75			
	1st Main, Left Side									
	LHS									
	Ch: 0 to 30m		1	27.00	0.75		20.25			
	Ch: 30 to 60m		1	25.00	0.75		18.75			
	Ch: 60 to 64m		1	4.00	0.75		3.00			
	RHS									
	Ch: 0 to 30m		1	30.00	0.75		22.50			
	Ch: 30 to 60m		1	27.00	0.75		20.25			
	Ch: 60 to 64m		1	4.00	0.75		3.00			
	2nd Main, Left Side									
	LHS									
	Ch: 0 to 30m		1	27.00	0.75		20.25			
	Ch: 30 to 60m		1	28.00	0.75		21.00			
	Ch: 60 to 62m		1	2.00	0.75		1.50			
	RHS									
	Ch: 0 to 30m		1	24.50	0.75		18.38			
	Ch: 30 to 60m		1	27.00	0.75		20.25			
	Ch: 60 to 63m		1	3.00	0.75		2.25			
	3nd Main, Left Side									
	LHS									
	Ch: 0 to 18.80m		1	18.80	0.75		14.10			

Ch: 18.80 to 29.20m		1	10.40						
Ch: 29.20 to 59.70m		1	30.50	0.75		22.88			
RHS									
Ch: 0 to 30m		1	30.00	0.75		22.50			
Ch: 30 to 60m		1	30.00	0.75		22.50			
4th Main, Left Side									
LHS									
Ch: 0 to 10.30m		1	10.30	0.75		7.73			
Ch: 10.30 to 19.30m		1	9.00						
Ch: 19.30 to 49.30m		1	30.00	0.75		22.50			
Ch: 49.30 to 65.80m		1	16.50	0.75		12.38			
RHS									
Ch: 0 to 8.10m		1	8.10	0.75		6.08			
Ch: 8.10 to 16.60m		1	8.50						
Ch: 16.60 to 42.60m		1	26.00	0.75		19.50			
Ch: 42.60 to 64.10m		1	15.00	0.75		11.25			
5th Main, Left Side									
LHS									
Ch: 0 to 30m		1	25.00	0.75		18.75			
Ch: 30 to 53m		1	20.00	0.75		15.00			
2nd Main,Right Side									
LHS									
Ch: 0 to 30m		1	28.00	0.75		21.00			
Ch: 30 to 60m		1	26.00	0.75		19.50			
Ch: 60 to 90m		1	25.00	0.75		18.75			
Ch: 90 to 110m		1	18.00	0.75		13.50			
RHS									
Ch: 0 to 30m		1	27.00	0.75		20.25			
Ch: 30 to 60m		1	30.00	0.75		22.50			
Ch: 60 to 90m		1	26.00	0.75		19.50			
Ch: 90 to 109m		1	19.00	0.75		14.25			
4th Main,Right Side									
LHS									
Ch: 0 to 30m		1	30.00	0.75		22.50			
Ch: 30 to 60m		1	30.00	0.75		22.50			
Ch: 60 to 90m		1	27.00	0.75		20.25			
Ch: 90 to 120.50m		1	24.00	0.75		18.00			
RHS									
Ch: 0 to 30m		1	30.00	0.75		22.50			
Ch: 30 to 43.5m		1	13.50	0.75		10.13			
Road Gap									
Ch: 0 to 30m		1	30.00	0.75		22.50			
Ch: 30 to 60m		1	30.00	0.75		22.50			
Ch: 60 to 71.40m		1	11.40	0.75		8.55			
					Present Qty	**844.08**	**Sqm**	**2337.00**	**1972614.96**

Contractor

NEW ZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

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Asst. Executive Engineer

Name of Work: Improvements to roads and drains in Chikkadinne Attur Village and Surrounding areas in Ward No. 03

Date of Measurement :

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Detailed Measurements									
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.									
	Attur layout, West of Mn Rd									
	Culvert									
	7th cross, 3rd Mn		1	4.30	1.20		5.16			
	7th cross, 3rd Mn		1	4.80	1.50		7.20			
	4th Mn		1	5.00	1.20		6.00			
						Present Qty	**18.36**	**Sqm**	**5418.00**	**99474.48**
							Total			**8358176.46**
							12% GST			**1002981.17**
							4% KRIDL			**334327.06**
							Grand Total			**9695484.69**

Contractor

NEWZEN CONSULTANT BANGALORE

PMC

Assistant Engineer

Asst. Executive Engineer

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